

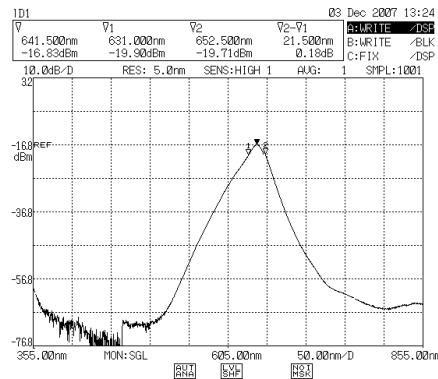
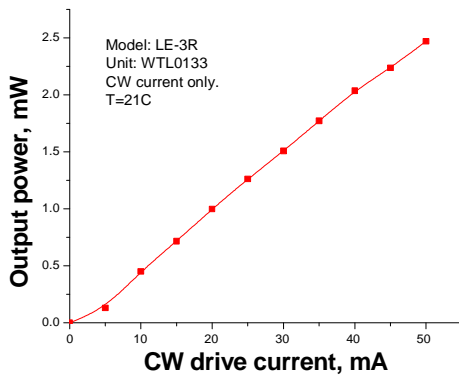


Date: 08.10.2008

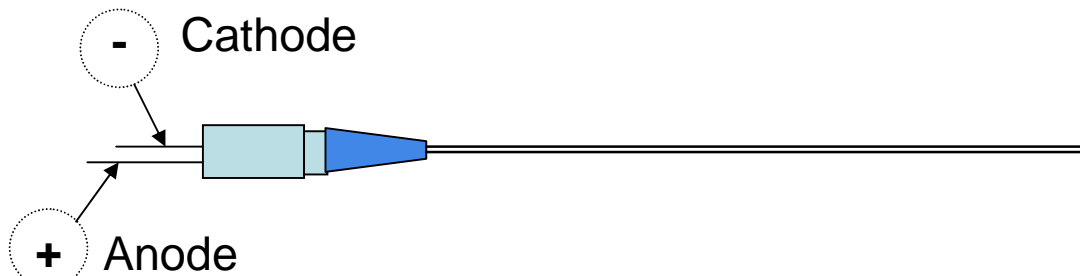
Fiber-coupled visible LED module LE-3R
Testing report

Part Number:	LE-3R
Unit Number:	WTL0345
Package type	Coaxial, PCB
Temperature stabilization	passive
Fiber pigtail:	Multi-mode POF primary- coated 0.9/1.0 mm
Adapter	FC/PC
Length of pigtail, cm	<75
3 dB modulation bandwidth, MHz	~25
Operating current, mA	40
Maximum cw current, mA	45
Maximum pulsed current, mA*	80
Mean wavelength, nm	~641 nm
Spectral width (FWHM), nm	~21 nm
Long-term operating wavelength drift, nm	±1.5
Ambient temperature, °C	21
Maximum cw optical power (@40 mA) mW	~2.0
Maximum pulling load to the fiber pigtail, kg	<0.7

* No CW current allowed, when operating at maximum pulsed current.



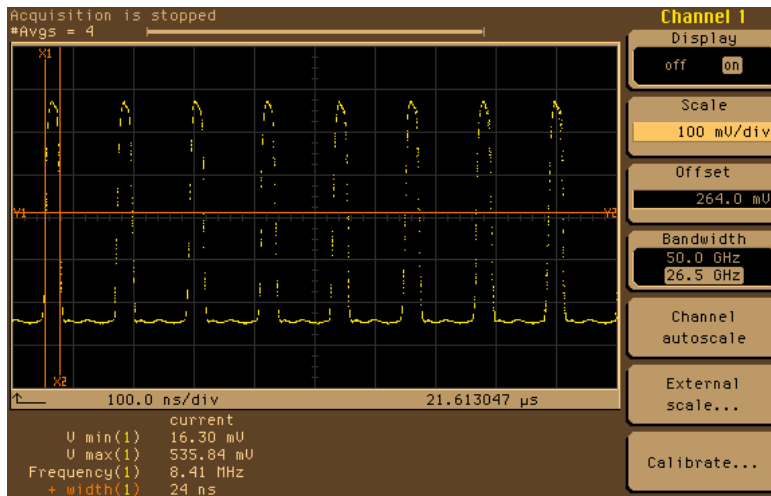
LED spectra and output power (cw), measured at the end of the fiber pigtail.



WARNING: USE ONLY FC/PC CONNECTORIZED POF OPTICAL PATCH-CORD to extend the length of the fiber pigtail (when applicable). If coiling, keep fiber coil radius larger then 10 cm.

Testing report, WT&T reference number: 3C__-0402

STATICS SENSITIVE DEVICE! Keep LED output connector clean and covered with dust cap to avoid optical damage. Do not pull or twist optical fiber pigtail!



Typical optical waveform of directly-modulated LE-3R, measured using Si p-i-n detector and sampling scope. LE-3R has been driven using bias-T circuit, with $I_{dc}=0$ mA, $I_{rf}=40$ mA

Module has been tested using following equipment:

OSA:	AQ-6315A (ANDO)
Wavelength meter:	TQ8325c (Advantest)
Optical power meter:	ML910B (Anritsu)
Temperature AU	Multiscan 1200 (Omega)
LED driver	LE-2C3 (WT&T)
Optical splitter	ODB-1 (WT&T)
Sampling scope:	54750A (Agilent)
Photoreceiver:	TIA-500 (TTI)
Pulse generator:	8011A (Agilent)

T&M/Quality control: Operator 2

Note: module output POWER is sensitive to the fiber pigtail handling.
Devices have been burn-in tested for > 24 hrs before shipping.

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